**Index of Claims** 

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09/805,681 Examiner

Kathleen M. Kerr

Applicant(s)/Patent under Reexamination

PHADTARE ET AL.

Art Unit

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| 1   | <u> </u> | T -      |          |                 |                         |          |            |          |          | Ci       |          | ) Date   |          |          |          |           |            |          |           |          |   |          | Date     |          |          |         |           |           |              |              |          |          |
| 2   | Final    | Original | 6/7/05   |                 |                         |          |            |          |          |          |          | Final    | Original |          |          |           |            |          |           |          |   | !        | Final    | Original | 1        |         |           |           |              |              |          |          |
| 2   |          | 1        |          |                 | $\neg$                  | T        |            |          |          |          | $\neg$   |          | 51       |          | $\Box$   | 寸         | $\neg$     |          |           | _        | 寸   |          |          | 101      | $\top$   | T       |           | T         | T            | t            | T        | T        |
| 4   |          | 2        |          |                 | ヿ                       | $\neg$   |            |          |          | $\Box$   | $\neg$   |          |          |          | П        | $\neg$    |            |          |           |          |   | $\neg$   |          |          |          |         | 1         | T         | T            | T            | T        | T        |
| 5   6   6   7   7   7   7   7   7   7   7   |          | 3        | Г        | П               | $\neg$                  | $\neg$   |            |          |          |          | $\neg$   |          |          |          |          | T         |            |          |           | $\neg$   |   | $\neg$   |          |          |          |         |           | T         | T            |              | T        | Ť        |
| 6   |          |          |          |                 | $\Box$                  |          |            |          |          |          |          |          | 54       |          |          |           |            |          |           |          |   |          |          |          |          |         |           | Τ         | Т            |              |          | Т        |
| T   |          |          |          |                 |                         |          |            |          |          |          |          |          |          |          |          |           |            |          |           |          |   | $\neg$   |          |          |          | T       | Τ         | Τ         | Τ            | Т            | Г        | Т        |
| 8   |          |          |          |                 |                         |          |            |          |          |          |          |          | 56       |          |          |           |            |          |           |          |   |          |          | 106      |          | Т       | Τ         | Т         | Т            | Т            | Г        |          |
| 9   |          |          |          | Ш               |                         |          |            |          |          |          |          |          | 57       |          |          |           |            |          |           |          |   |          |          |          |          |         |           |           |              |              |          | $\Box$   |
| 10  |          |          | _        | Ш               |                         | $\Box$   |            |          |          |          |          |          | 58       |          |          |           |            |          |           |          | $\perp$   |          |          |          |          |         |           |           |              |              |          | Π        |
| 11  |          |          | _        | Ш               |                         |          |            |          | Ш        |          | _        |          | 59       |          | $\Box$   |           | $\Box$     |          |           |          |   |          |          |          |          | $\perp$ | $\perp$   | L         |              |              | L        |          |
| 12  |          |          | L        | $\sqcup$        | _                       |          |            |          | Ш        |          | _        |          |          |          |          |           |            |          |           |          | ļ   |          |          |          |          | $\perp$ | ┸         | $\perp$   | 丄            | ┸            | L        | 丄        |
| 13  |          |          | L        | Ш               | 4                       | _        |            |          | Щ        |          | _        |          | 61       |          |          | _         |            |          |           | _        | ┙   | _        |          | 111      |          |         | ┸         | L         | $\perp$      | 上            | 丄        |          |
| 14  |          |          | _        | $\sqcup$        | $\perp$                 | _        | Ц          |          | L        |          | _        |          |          |          | Ц        |           | _          | _        |           | _        | _   |          |          |          |          | $\perp$ | ┸         | ┸         |              | _            | 上        |          |
| 15  |          |          | _        | $\sqcup$        | _                       | _        |            |          | Ш        |          | _        |          | 63       |          | Ц        | _         | _          | _        | _         | _        | _   |          |          |          |          | $\perp$ | ┸         | ┸         | 1            |              | L        | <u> </u> |
| 16  |          |          | ļ        | Ш               |                         | _        |            |          | Ш        |          | _        |          |          |          | $\sqcup$ | _         | _          | _        |           | _        | _   |          | <u> </u> | 114      |          |         | 1_        | 上         | ┸            | <u> </u>     | 上        | ↓_       |
| 17  | <u></u>  |          | L        | Ш               | _                       | _        |            |          | Щ        |          | _        |          |          |          |          | 4         | _          | _        | _         | _        |   | _        |          |          |          | 丄       | ╄         | Ļ         | ┸            | ┖            | ╄        | ╙        |
| 18  |          |          | ✓        | $\vdash$        | 4                       | _        |            |          | Ш        |          |          |          | 66       |          |          | 4         | _          | _        |           | _        | _   |          |          | 116      | $\perp$  | 4       | 4_        | $\perp$   | _            | _            | L        | Ц        |
| 19   \(  \)   |          |          | <u> </u> | $\vdash$        | 4                       | _        | $\Box$     |          | Ш        |          |          |          | 67       |          | Щ        | _         | _          | _        | _         | 4        | _   | _        |          | 117      |          | $\bot$  | _         | ╄         | _            | <u> </u>     | ↓_       | <u> </u> |
| 120   |          |          |          |                 | 4                       | _        |            |          | Ш        |          |          |          | 68       |          |          | _         | _          | _        | _         | 4        | _   |          |          | 118      |          | ┵       | 4         | ╄         | 4            | _            | ┺        | ↓_       |
| 121   | -        | 19       | ✓        | $\vdash$        | 4                       | _        |            |          | Н        |          | _        |          | 69       |          |          |           | 4          |          | _         | $\dashv$ | $\dashv$  |          | <u></u>  |          |          | ┸       | $\perp$   | ╄         | -            | 1_           | ↓_       | $\bot$   |
| 122   123   124   125   125   126   125   126   127   128   128   129   129   130   130   131   131   131   131   132   133   133   133   133   133   133   134   134   134   135   136   135   136   137   138   139   139   140   141   142   142   144   144   144   144   145   146   147   148   149     |          |          |          | $\vdash$        | 4                       | $\dashv$ | $\dashv$   | _        |          |          |          |          | 70       |          |          | _         | 4          | _        | _         | _        | $\dashv$  | _        |          | 120      |          | $\bot$  | $\bot$    | ╄         |              | 1            | ╄        | ┷        |
| 123   124   125   125   126   126   127   127   128   129   129   130   130   130   131     | -        |          | ١v       | $\vdash$        |                         | $\dashv$ | $\perp$    |          | Ш        | _        | _        |          | 71       |          |          | _         | _          |          |           | _        | $\dashv$  | _        |          |          |          | $\bot$  | $\bot$    | ₽.        | _            | <b> </b>     | ↓_       | _        |
| T4  | -        |          | ΙV       |                 | 4                       |          |            |          | Ш        | _        |          |          | 72       |          |          | 4         | _          |          |           |          | 4   | _        |          | 122      |          | $\bot$  | _         | 4         | 4_           | ₩            | igspace  | ╄        |
| 125   126   126   127   128   128   129   129   130   131   131   131   132   133   133   133   133   134   134   134   135   135   135   135   136   137   138   138   139   140   141   142   143   144   144   144   145   145   145   145   145   146   147   148   148   148   148   148   148   148   149     |          |          | Ϋ́       |                 | -                       |          |            |          | Н        | _        | _        | <u> </u> |          | _        |          | $\dashv$  | $\dashv$   |          |           | -        | 4   |          | <u> </u> |          |          | +       | +         | ╄         | $\bot$       | ₩            | ╄        | ╄        |
| 26 N 76   27 N 77   28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 87   38 88   39 90   40 91   41 91   42 92   44 94   45 96   46 96   47 97   48 98   49 99   | <u> </u> |          | 1        | $\vdash \vdash$ | $\dashv$                |          | $\dashv$   |          | Н        |          |          |          |          | Н        | _        | $\dashv$  | $\dashv$   |          | $\dashv$  | -        |   |          | <u> </u> | 124      | -        | -       | 1         | ╀         | 1.           | 1            | ــ       | ╄        |
| 27 N     77     127       28     78     128       29     80     130       30     81     130       31     81     131       32     83     132       33     83     133       34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     90     140       41     91     141       42     92     142       43     94     144       45     96     144       46     96     146       47     98     148       48     98     148       49     99     1449  | -        | 25       | ×        | $\vdash$        | $\dashv$                | $\dashv$ | -          |          | Н        |          | -        | -        |          | -        |          | 4         |            |          |           | -        | +   |          | <u> </u> | 125      |          | +       | -         | +         | 4            | 1            | ╄        | ₩        |
| 28   78   128     29   80   129     30   80   130     31   81   131     32   82   132     33   84   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   137     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   94     45   96   146     47   97   147     48   98   149  | <u> </u> |          |          | $\vdash$        | $\dashv$                | -        | -          |          | Н        |          |          |          | 70       |          |          | -         | $\dashv$   |          |           | $\dashv$ | $\dashv$  |          | -        | 126      |          | +       | +         | ╀         | 4            | ╀            | ╄        | ╄        |
| 29   79   129     30   80   130     31   81   131     32   83   132     33   83   133     34   84   134     35   85   135     36   86   136     37   88   137     38   88   138     39   90   140     40   90   140     41   91   141     42   92   142     43   93   143     44   94   94     45   96   145     46   97   146     47   97   148     48   98   148     49   99   149  |          |          | IN       | $\vdash$        |                         | $\dashv$ | $\dashv$   |          | Н        |          | -        | -        |          | H        | -        | -         | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  |          | $\vdash$ | 127      |          | +-      | +-        | ╀         | +            | 4            | ╄        | ₩        |
| 30 31   31 32   33 34   35 36   37 38   39 88   40 90   41 91   42 93   43 94   44 94   46 96   48 98   49 99   148 99   148 99   148 99   149 149  | <u> </u> | 20       | -        | $\vdash$        | -+                      | -        | $\dashv$   |          | $\vdash$ |          |          | -        | 70       | Н        | $\vdash$ | -+        | -+         | $\dashv$ | $\dashv$  |          |   | _        |          | 128      |          | +       | +         | ╀         | +-           | <del> </del> | ╀        | ╀        |
| 31 32   33 34   35 36   37 88   39 88   40 90   41 91   42 92   43 94   44 95   46 96   47 98   48 99   49 99   144 144   48 99   48 99   49 144   48 99   48 99   131 132   133 133   134 135   135 136   137 137   137 137   138 139   139 140   141 141   142 142   143 144   145 146   146 146   147 148   149 149  | _        |          | $\vdash$ | $\vdash$        | $\dashv$                | -        | $\dashv$   | _        |          |          | $\dashv$ |          | 90       | Н        |          | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ |   |          | -        |          |          | ┿       | +         | ╁         | +-           | ╁            | ╀        | ₩        |
| 32 82   33 132   34 133   35 86   37 86   39 88   40 90   41 91   42 92   43 93   44 94   45 96   46 96   47 98   48 99   49 99   | <b>-</b> |          | $\vdash$ | H               | -+                      | $\dashv$ | $\dashv$   |          | Н        |          |          | -        |          | Н        |          | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ |   | _        | -        |          |          | +       | ╁         | ╁         | +-           | ╀            | ⊬        | ₩        |
| 33 83   34 84   35 85   36 86   37 88   39 88   40 90   41 91   42 92   43 93   44 94   44 94   45 96   46 96   47 98   48 99   49 148   49 149   | <b>-</b> |          | ├        | H               | $\dashv$                | $\dashv$ | $\dashv$   |          | Н        |          | -        |          | 82       | Н        | $\dashv$ | $\dashv$  | -          | $\dashv$ | $\dashv$  | $\dashv$ | +   |          | <u> </u> | 131      | -        | +       | ╁         | ╀         | ┿            | +            | ╁        | ╁        |
| 34 84   35 134   36 86   37 87   38 136   39 88   40 90   41 91   42 92   43 93   44 94   45 96   46 96   47 98   48 99   134 135   136 136   137 137   138 139   140 140   141 142   143 144   144 144   145 146   147 148   148 149   |          |          | -        |                 | $\dashv$                | $\dashv$ | $\dashv$   |          |          | -        | -        | -        |          | Н        | $\dashv$ | $\dashv$  | -          | $\dashv$ |           | +        | $\dashv$  |          |          |          |          | ╁       | ╁         | ╀         | ┿            | ╁            | ╁        | ₩        |
| 35   85     36   86     37   87     38   88     39   88     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   99     49   148     49   149   | <u> </u> | 34       |          |                 | $\dashv$                | $\dashv$ | $\dashv$   |          | $\vdash$ | $\dashv$ | $\dashv$ | <b>—</b> | 84       | $\vdash$ | $\dashv$ | ┪         | +          |          | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | <b>-</b> | 134      |          |         | ╁         | +         | +            | ╁            | +        | +        |
| 36   86   136     37   88   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149   |          |          | Ι.       | $\vdash$        | $\dashv$                | $\dashv$ | $\dashv$   | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | <b> </b> |          | $\vdash$ | -        | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ | 十   | $\dashv$ |          |          |          | +       | +         | +         | +            | $\vdash$     | +        | +-       |
| 37   88   137     38   88   138     39   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   98   148     49   99   149   |          |          | -        | $\Box$          | $\dashv$                | $\dashv$ | $\dashv$   |          |          | $\neg$   | $\dashv$ |          |          | $\vdash$ |          | $\dashv$  | $\dashv$   | -1       | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ |          | 136      | $\dashv$ | +       | +         | +         | +            | +            | +        | +        |
| 38   88   138     39   90   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149   |          |          | $\vdash$ | $\sqcap$        | $\neg \dagger$          | +        | $\dashv$   | -        |          | $\neg$   | $\dashv$ |          | 87       | $\vdash$ | -        | $\dashv$  | 7          | -        | ᅱ         | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$ |          |          | +       | +         | +         | +            | $\vdash$     | +        | +-       |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149   |          |          |          | $\vdash$        | 寸                       | _        |            |          | 1        | $\neg$   | $\dashv$ |          |          |          | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ |          | 138      | $\dashv$ | $\top$  | +         | ✝         | +            | t            | $\vdash$ | +        |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149   |          | 39       |          | $\sqcap$        | $\neg$                  | $\dashv$ | $\dashv$   | $\neg$   | $\neg$   |          | _        |          |          | $\vdash$ |          | $\dashv$  | $\dashv$   | $\dashv$ | 寸         | $\dashv$ | 十   | $\dashv$ |          |          |          | +       | +         | $\dagger$ | +            | t            | $\vdash$ | _        |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99   |          |          |          | $\sqcap$        | $\dashv$                | $\dashv$ | $\dashv$   |          |          |          | $\dashv$ |          | 90       | Н        |          | $\dashv$  | $\dashv$   | 寸        | $\neg$    | $\dashv$ | $\dashv$  | $\dashv$ |          | 140      | $\dashv$ | +       | +-        | +         | 1-           | $\dagger$    | <u> </u> | $\vdash$ |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 148   49 149   |          |          | Т        | $\sqcap$        | $\neg$                  | $\dashv$ | $\dashv$   |          | $\Box$   |          | $\dashv$ |          |          | Н        |          | 1         | 7          | ┪        | $\dashv$  | 7        | 一   | $\dashv$ |          |          |          | +       | $\dagger$ | T         | +-           | †-           | $\vdash$ | T        |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 148   49 149   |          |          |          | $\Box$          | $\neg$                  | 寸        | 寸          |          | $\Box$   | $\neg$   | $\neg$   |          |          |          | $\dashv$ | $\dashv$  | 1          |          | $\neg$    | 寸        | $\dashv$  | $\dashv$ |          | 142      | $\dashv$ | T       | $\top$    | T         | $\top$       | 1            | $\vdash$ | T        |
| 44 94   45 95   46 96   47 97   48 98   49 148   99 149   |          | 43       |          |                 |                         |          |            |          |          |          | $\neg$   |          | 93       | П        | $\dashv$ | 寸         | _          |          |           | $\dashv$ | $\dashv$  | $\dashv$ |          | 143      | $\dashv$ | $\top$  | T         | T         | $\top$       | T            | $\vdash$ | $\top$   |
| 45 95   46 96   47 97   48 98   49 148   99 149   |          | 44       |          |                 | $\neg$                  |          |            |          | $\Box$   | $\neg$   | $\neg$   |          | 94       | П        | 寸        | 寸         | $\dashv$   | $\dashv$ | $\dashv$  | $\dashv$ | $\top$  | $\dashv$ |          |          | $\dashv$ | 1       | 1         | T         | 1            | $\vdash$     | $\vdash$ | 1        |
| 46   47   48   49   |          | 45       |          |                 |                         |          | $\Box$     |          |          |          |          |          | 95       |          |          | $\exists$ | $\neg$     | 7        | $\exists$ | $\dashv$ | 寸   | $\neg$   |          | 145      | _        | 1       | +         | T         | $\top$       | $\top$       | $\vdash$ | $\top$   |
| 47  |          | 46       |          |                 |                         |          |            |          |          |          |          |          | 96       |          |          |           |            |          | $\neg$    | $\neg$   | $\neg$  |          |          |          | $\neg$   | $\top$  | Τ         |           | 1            | 1            | 1        | $\top$   |
| 48 98 148 149 99 149 149 149 149 149 149 149 149  |          |          |          |                 | $oldsymbol{\mathbb{I}}$ |          | $\Box$     |          |          |          |          |          | 97       |          | $\Box$   | T         |            |          |           |          | $\Box$  |          |          | 147      |          | $\top$  | 1         | Τ         | $\top$       |              |          | Т        |
| 49   99   149   149   |          | 48       |          |                 |                         | $\Box$   |            |          |          |          |          |          |          |          |          | $\Box$    |            |          |           | $\Box$   | $\Box$  |          |          | 148      |          | T       | Τ         | Γ         | Т            |              |          | Π        |
| 50   15 |          | 49       |          |                 | [                       |          |            |          |          |          |          |          | 99       |          |          |           | $\Box$     | $\Box$   |           | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |          | 149      |          | $\prod$ | Ι         | Γ         | T            |              | Г        |          |
|   |          | 50       |          |                 | i_                      |          | $\perp$ I  | ]        | Ш        | $\Box$   |          |          | 100      |          |          |           | $\perp$ I  |          | $\Box$    | $\perp$  |   |          |          | 150      |          |         |           |           | $oxed{oxed}$ |              |          |          |